## **CIAIMS:**

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- 1. An EL device comprising a light emitting layer including an anthracene material bearing at least one aryl ring in the 2-position and having a hydrogen or an alkyl group in the 6-position and having up to 12 aromatic carbocyclic rings including at least one naphthalene group in the 9-position of the anthracene group and an aryl group in the 10-position, the anthracene material including among the rings only carbocyclic rings.
- The device of claim 1 wherein the anthracene material
   comprises 10 aromatic carbocyclic rings including among the rings only
   carbocyclic rings.
  - 3. The device of claim 1 wherein the anthracene material comprises at least one 2-naphthyl group.
  - 4. The device of claim 1 wherein the anthracene material comprises independently selected naphthyl groups in the 9- and 10-positions.
- 5. The device of claim 4, wherein the naphthyl groups are independently selected 2-naphthyl groups.
  - 6. The device of claim 4, wherein the naphthyl groups in the 9- and 10-positions are the same groups.
- 7. The device of claim 1 wherein the anthracene material comprises a biphenyl group in the 10-position.

- 8. The device of claim 1, wherein the 6-position of the anthracene material bears a hydrogen.
- 9. The device of claim 1, wherein the aryl group in the 2-position is a monocyclic phenyl group, a naphthyl group or a biphenyl group.
- 5 10. The device of claim 1, wherein the anthracene material comprises only one anthracene moiety.
  - 11. The device of claim 1, wherein the anthracene material comprises two anthracene moieties.
  - 12. The device of claim 1, wherein the anthracene material is represented by Formula (1),

wherein:

Ar<sub>2</sub> represents an aryl group;

Ar<sub>9</sub> represents a naphthyl group;

Ar<sub>10</sub> represents an aryl group,

 $v_1,\,v_3,\,v_4,\,v_5,\,v_7,$  and  $v_8$  independently represent hydrogen or a substituent;

v<sub>6</sub> represents hydrogen or an alkyl group.

13. The device of claim 12, wherein Ar<sub>9</sub> and Ar<sub>10</sub> represent independently selected naphthyl groups.

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- 14. The device of claim 12, wherein  $Ar_{10}$  represents a biphenyl group.
  - 15. The device of claim 12, wherein v<sub>6</sub> represents a hydrogen.
- The device of claim 12, wherein Ar<sub>2</sub> represents a naphthyl
  or biphenyl group.
  - 17. The device of claim 12, wherein Ar<sub>2</sub> represents a monocyclic phenyl group.
  - 18. The device of claim 1, wherein the light-emitting layer includes a blue or blue-green light-emitting material.
- 19. The device of claim 1, wherein the light-emitting layer includes a green-light emitting material.
  - 20. The device of claim 1, wherein the light-emitting layer includes a red-light emitting material.
- The device of claim 1, wherein the light-emitting layer includes perylene or a derivative of perylene.
  - 22. The device of claim 1, wherein the light-emitting layer includes a material of Formula (2a) or (2b),

wherein:

R<sup>a</sup> - R<sup>h</sup> represent hydrogen or an independently selected

- 5 substituent.
  - 23. The device of claim 1 wherein the light-emitting layer includes a compound represented by Formula (3a),

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wherein:

w represents N or C-Y, wherein Y represents hydrogen or a substituent;

Ar<sup>a</sup> and Ar<sup>b</sup> independently represent the atoms necessary to form an aromatic ring group;

 $Z^{a}$  and  $Z^{b}$  represent independently selected substituents.

24. The device of claim 1 wherein the anthracene material is selected from the following.

Inv-1 Inv-2 •

Inv-3

Inv-4

Inv-6 Me | Inv-7 Me Inv-8

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Inv-11 Inv-12

Inv-14

Inv-17

Inv-20

Me

- 25. The device of claim 1, further comprising a second lightemitting layer to provide a white light emission.
- 26. The device of claim 25, wherein the second light-emitting layer comprises rubrene or a derivative of rubrene.
- 5 27. The device of claim 1 wherein white light is produced either directly or by using filters.
  - 28. A display comprising the electroluminescent device of claim 1.
- An area lighting device comprising the electroluminescent device of claim 1.
  - 30. A process for emitting light comprising applying a potential across the device of claim 1.
    - 31. A compound represented by Formula (1):

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wherein:

Ar<sub>2</sub> represents an aryl group;

Ar<sub>9</sub> represents a naphthyl group;

Ar<sub>10</sub> represents an aryl group;

v<sub>1</sub>, v<sub>3</sub>, v<sub>4</sub>, v<sub>5</sub>, v<sub>7</sub>, and v<sub>8</sub> independently represent hydrogen or a

20 substituent;

v<sub>6</sub> represents hydrogen or an alkyl group;

and provided that up to 12 aromatic carbocyclic rings are present and include among the rings only carbocyclic rings.

- 32. The compound of Claim 31 wherein Ar<sub>2</sub> and Ar<sub>10</sub> represent an independently selected phenyl group, naphthyl group or biphenyl group.
- 33. The compound of claim 31 wherein the compound is selected from the following.

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Inv-3 Inv-4 Inv-5

Inv-6 Inv-7 Inv-8

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Inv-11 Inv-12

Inv-14

Inv-17

Inv-20

Inv-23